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APPLICATION N	О.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/817,412		03/31/2004	Marvin L. Ryken	96067	3190
24129	7590	05/26/2005		EXAMINER	
		UNSEL GROUP	CHEN, SHIH CHAO		
		E 1 (CODE K0000 OM 2308	ART UNIT	PAPER NUMBER	
POINT M	IUGU, C	A 93042-5049	2821		
				DATE MAIL ED. 05/26/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

8/

		Application No.	Applicant(s)				
		10/817,412	RYKEN ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Shih-Chao Chen	2821				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
THE - External after - If the - If NO - Failur	ORTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT asions of time may be available under the provisions of 37 C SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days period for reply is specified above, the maximum statutory re to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	ION. CFR 1.136(a). In no event, however, may a ion. s, a reply within the statutory minimum of thi period will apply and will expire SIX (6) MO a statute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on	31 March 2004.					
2a) <u></u> ☐	•—	This action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
5)⊠ 6)⊠ 7)⊠	 ✓ Claim(s) 1-20 is/are pending in the application. ✓ 4a) Of the above claim(s) is/are withdrawn from consideration. ✓ Claim(s) 10-15 and 17-20 is/are allowed. ✓ Claim(s) 1 and 6 is/are rejected. ✓ Claim(s) 2-5,7-9 and 16 is/are objected to. ✓ Claim(s) are subject to restriction and/or election requirement. 						
Applicati	on Papers						
9)☐ The specification is objected to by the Examiner. 10)☒ The drawing(s) filed on 31 March 2004 is/are: a)☐ accepted or b)☒ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by t	he Examiner. Note the attache	ed Office Action or form PTO-152.				
Priority (ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachmen	t(s)						
2) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-94 mation Disclosure Statement(s) (PTO-1449 or PTO/5 r No(s)/Mail Date	18) Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application (PTO-152) 				

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DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 62. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filling date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

- Claim 9 is objected to because of the following informalities: in lines 1-2,
 "wherein said dielectric layer" should be changed to --wherein said first dielectric layer--.
 Appropriate correction is required.
- 3. Claim 16 is objected to because of the following informalities: in lines 1-2, "wherein said dielectric layer" should be changed to --wherein said first dielectric layer--. Appropriate correction is required.

Double Patenting

4. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the

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unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

5. Claims 1 and 6 are rejected under the judicially created doctrine of obviousnesstype double patenting as being unpatentable over claims 1-3, 5 and 7 of U.S. Patent No. 6,856,290. Although the conflicting claims are not identical, they are not patentably distinct from each other because the subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, as follows: a first rectangular shaped dielectric layer (first dielectric layer); a plurality of rectangular shaped antenna elements; a frequency of approximately 2.25 GHz (a TM frequency band of 2200-2300 MHz; an antenna feed network; a main transmission line; a signal input (input terminal); a plurality of branch transmission lines; each of said branch transmission line including a plurality of probes (each of said branch transmission lines having one end thereof connected to one of said antenna elements); a pair of identical filters (said band-stop filter includes six etched copper open circuit stubs; and said pair of identical filters each comprise a 5-section band stop filter (i.e. each filter comprise main transmission line and three open circuit stubs).

Allowable Subject Matter

- 6. Claims 10-15 and 17-20 are allowed.
- 7. Claims 2-5 and 7-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 8. The following is a statement of reasons for the indication of allowable subject matter:

The primary reason for the allowance of claims 10-15 is the inclusion of the limitation of each of the plurality of antenna elements including a tuning stub located on one side of the antenna element. It is this limitation found in each of the claims, as it is claimed in the combination, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

The primary reason for the allowance of claims 17-20 is the inclusion of the limitation of each of the eight antenna elements including a tuning stub located on one side of the antenna element. It is this limitation found in each of the claims, as it is claimed in the combination, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shih-Chao Chen whose telephone number is (571) 272-1819. The examiner can normally be reached on Monday-Friday from 7 AM to 4:30 PM, First Fri. off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shih-Chao Chen Primary Examiner

shil-llaochen

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SHIH-CHAO CHEN PRIMARY EXAMINER

SXC May 17, 2005